

Density

MASS PER VOLUME (G/CM³)

Liquids

Denser liquids will sink to the bottom of less dense Liquids.

It does not matter what order the liquids are poured in.

Solids

Objects with a density greater than water (1.00 g/cm³) will sink and objects less than water will float

To Find An Object's Density:

$$\text{Density} = \frac{\text{Mass}}{\text{Volume}}$$

(Mass divided by volume)

Every object has a different density

http://www.sciencebyjones.com/density_notes.htm

Sample Problems

Find the density of each object
tell whether it will sink or float in water
use the chart to name the object

1. Mass = 115 g
Volume = 50 cm³
Density =
2. Mass = 54 g
Volume = 75 cm³
Density =
3. Mass = 17 g
Volume = 25 cm³
Density =
4. Mass = 1930 g
Volume = 100 cm³
Density =

Find Either The Missing Mass or Volume

1. Density = $.24 \text{ g/cm}^3$

Volume = 50 cm^3

Mass=

2. Density = 21.5 g/cm^3

Mass = 2 g

Volume =

3. Density = 1.6 g/cm^3

Volume = 3.2 cm^3

Mass=

4. Density = $.70 \text{ g/cm}^3$

Mass = 3 g

Volume =